

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P383443

Luminaire Tested: **GLEON-SA7C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA7C-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47639.3 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

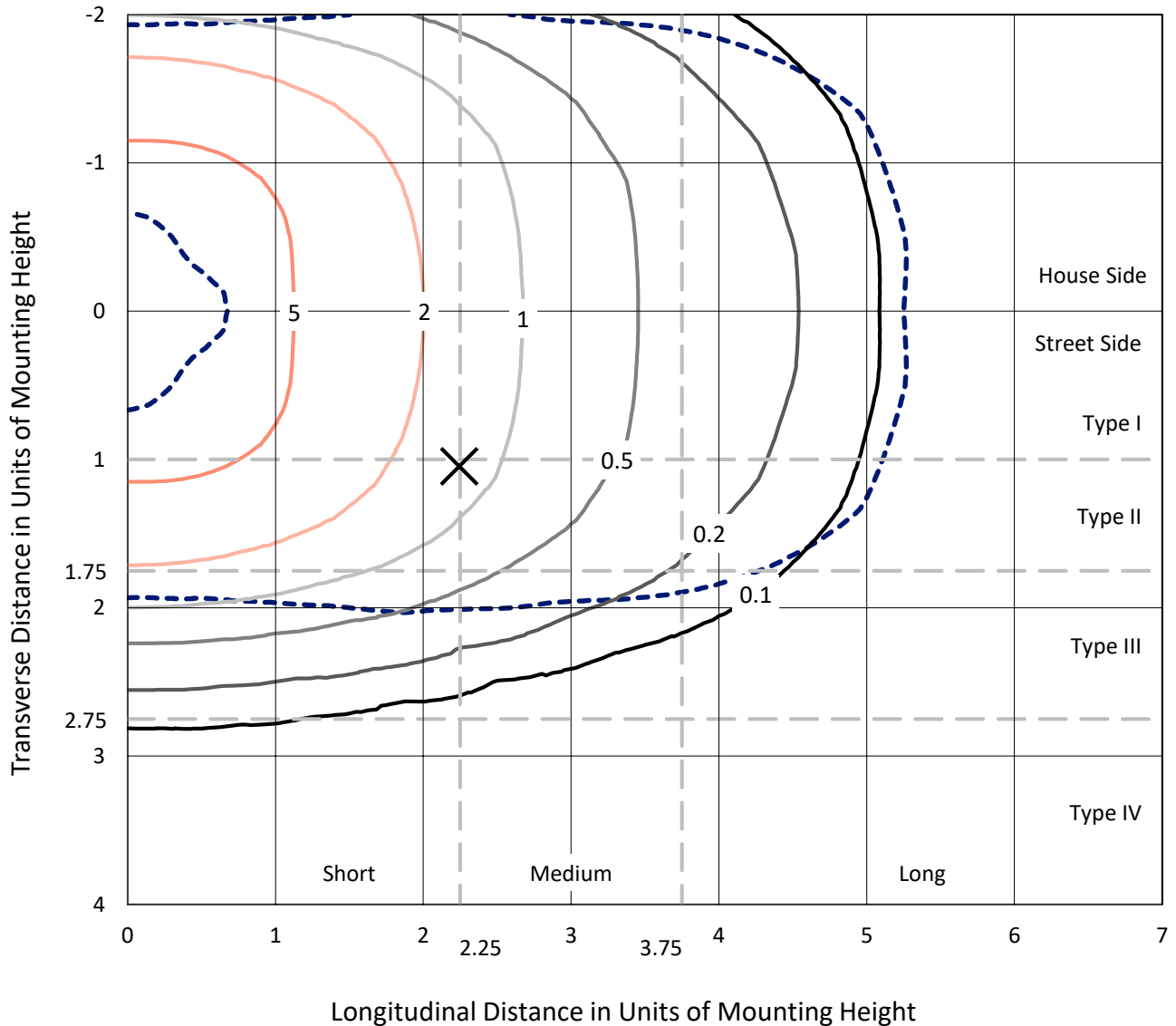
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

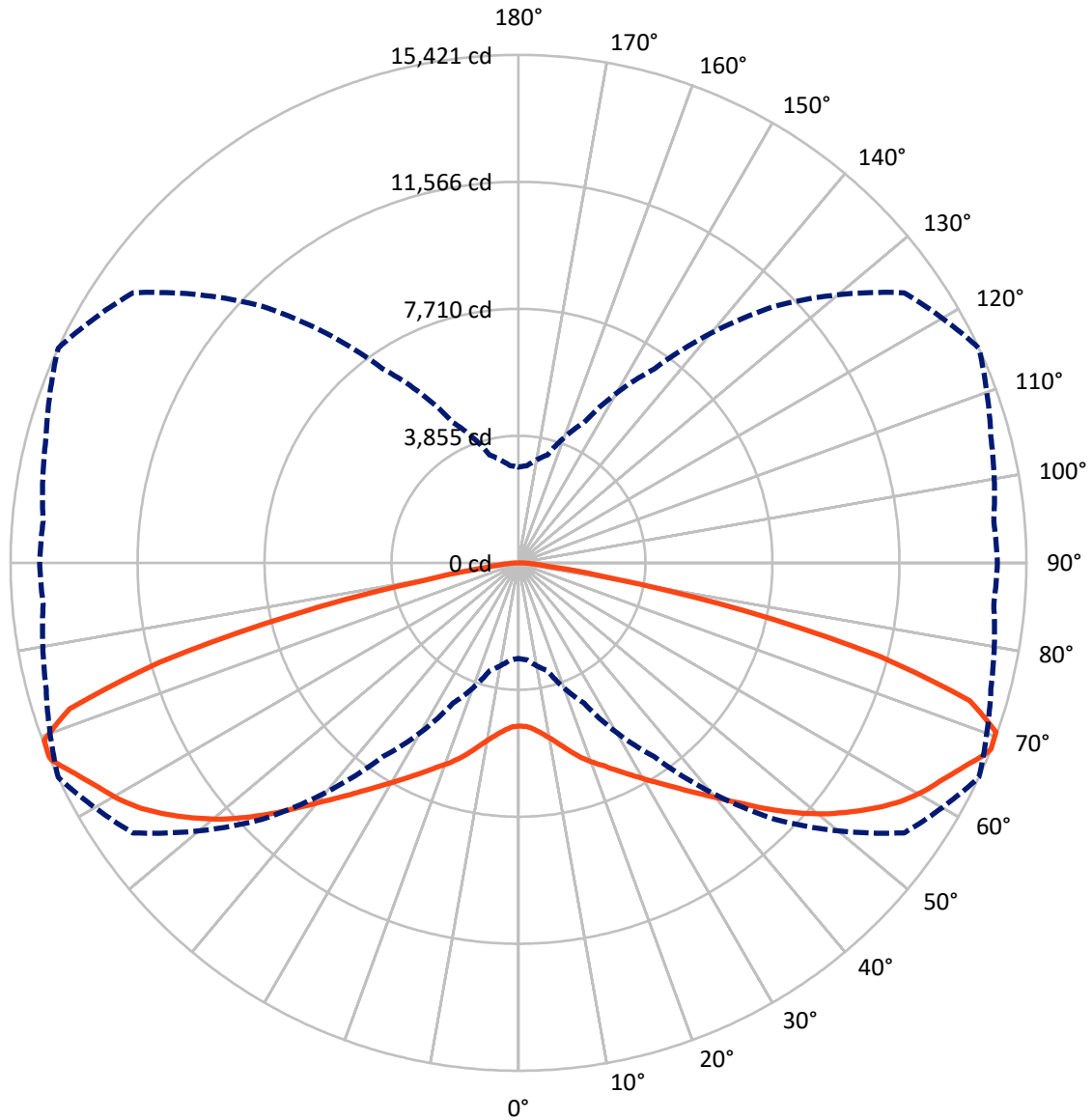
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23819.7	0.0	23819.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23819.7	0.0	23819.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	47639.3	0.0	47639.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.0	1.0
10°-20°	1623.9	3.4
20°-30°	3166.2	6.6
30°-40°	5318.9	11.2
40°-50°	8380.7	17.6
50°-60°	11207.8	23.5
60°-70°	10895.3	22.9
70°-80°	5955.9	12.5
80°-90°	605.7	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	47639.3	100.0
0°-180°	47639.3	100.0

Coefficient of Utilization



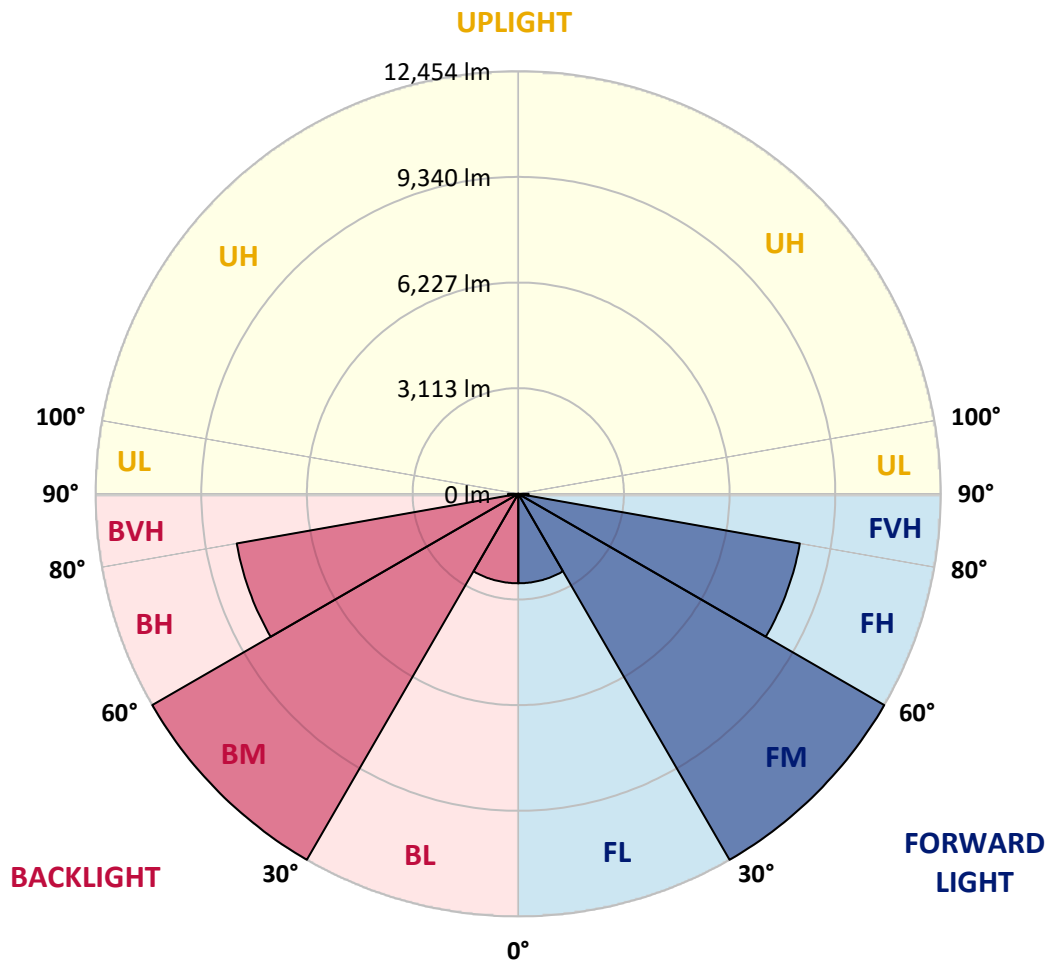
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2637.5	5.5			
FM	(30°-60°)	12453.7	26.1			
FH	(60°-80°)	8425.6	17.7			G4/12000
FVH	(80°-90°)	302.9	0.6			G3/500
BL	(0°-30°)	2637.5	5.5	B4/5000		
BM	(30°-60°)	12453.7	26.1	B5		
BH	(60°-80°)	8425.6	17.7	B5		G5
BVH	(80°-90°)	302.9	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4953.4	4953.4	4953.4	4953.4	4953.4	4953.4	4953.4	4953.4	4953.4	4953.4	4953.4
2.5°	4918.2	4919.8	4927.8	4937.4	4945.4	4966.2	4970.9	4978.9	4982.1	4990.1	4990.1
5°	4875.1	4878.3	4897.4	4923.0	4951.7	5002.9	5039.7	5081.1	5101.9	5124.3	5122.7
7.5°	4870.3	4878.3	4905.4	4947.0	4994.9	5079.5	5156.2	5239.3	5295.2	5346.3	5343.1
10°	4919.8	4932.6	4970.9	5033.2	5105.2	5210.5	5324.0	5435.8	5533.2	5611.5	5614.7
12.5°	4994.9	5010.9	5071.5	5165.8	5274.4	5410.2	5544.4	5670.6	5804.8	5921.4	5931.0
15°	5094.0	5114.7	5205.8	5346.3	5512.4	5673.8	5817.5	5946.9	6101.8	6263.2	6279.2
17.5°	5240.9	5269.7	5389.5	5579.5	5798.3	5975.7	6125.9	6223.3	6352.7	6518.8	6549.2
20°	5464.6	5501.3	5653.0	5879.8	6146.6	6331.9	6446.9	6467.6	6531.5	6680.1	6715.2
22.5°	5755.2	5787.1	5956.5	6226.5	6525.1	6726.4	6787.2	6704.1	6697.6	6817.4	6851.0
25°	6079.5	6108.3	6304.7	6608.2	6929.3	7151.3	7149.7	6988.4	6876.6	6969.2	7004.4
27.5°	6443.7	6488.4	6676.9	6996.4	7339.8	7558.7	7545.9	7296.7	7084.2	7108.2	7138.5
30°	6862.2	6911.7	7095.4	7419.7	7763.1	7977.1	7961.2	7632.1	7312.6	7248.7	7271.1
32.5°	7381.3	7440.5	7614.6	7934.0	8237.5	8430.8	8384.5	7996.3	7587.4	7448.5	7469.1
35°	8005.9	8041.0	8224.7	8539.4	8785.4	8918.0	8820.5	8418.0	7935.6	7767.9	7767.9
37.5°	8638.4	8665.6	8871.7	9176.8	9414.8	9485.0	9295.0	8879.6	8390.8	8152.8	8157.7
40°	9245.4	9318.9	9550.5	9863.6	10098.4	10117.6	9865.2	9406.8	8897.2	8651.2	8680.0
42.5°	9879.6	9951.4	10227.8	10582.4	10790.1	10822.0	10526.5	9997.8	9469.1	9269.4	9301.3
45°	10445.1	10502.5	10822.0	11234.1	11492.9	11576.0	11226.2	10675.1	10087.3	9892.4	9900.4
47.5°	10839.6	10914.7	11266.0	11751.7	12128.7	12256.5	11913.0	11334.8	10695.8	10459.4	10480.2
50°	11197.4	11237.4	11593.6	12123.8	12603.1	12866.6	12572.7	11986.5	11310.9	11060.0	11082.3
52.5°	11397.1	11448.2	11793.2	12345.9	12912.9	13337.8	13158.9	12572.7	11905.0	11660.6	11687.8
55°	11258.1	11296.4	11710.1	12395.5	13104.6	13628.5	13655.7	13146.2	12488.0	12274.0	12350.6
57.5°	10625.5	10673.5	11178.2	12075.9	13128.6	13825.0	14029.5	13678.1	13032.7	12858.6	12903.3
60°	9636.8	9667.1	10205.5	11215.0	12662.2	13906.5	14267.5	14112.6	13566.2	13392.1	13452.9
62.5°	7874.9	7919.6	8563.3	9916.3	11676.6	13665.3	14497.5	14472.0	14063.0	13903.3	13957.7
65°	5383.0	5461.3	6173.7	7884.5	10157.5	12927.4	14706.8	14890.4	14502.3	14301.0	14372.9
67.5°	3250.6	3308.1	3824.0	5205.8	7772.6	11438.6	14491.2	15366.4	14812.2	14487.9	14547.0
68°	2905.6	2958.3	3389.5	4697.8	7189.7	11018.5	14294.7	15420.7	14845.7	14484.7	14537.5
70°	1755.5	1790.6	2079.8	2904.0	4793.7	8740.7	12954.5	15376.0	15059.8	14529.4	14559.8
72.5°	1143.7	1154.8	1202.8	1490.3	2448.8	4887.9	9723.0	14328.2	15380.9	14789.8	14785.1
75°	950.5	944.0	948.8	982.4	1207.6	2143.7	5681.8	11318.8	14662.0	14379.3	14278.7
77.5°	803.5	798.7	797.0	798.7	808.2	1035.0	2466.3	7050.7	11219.7	12719.6	12809.2
80°	650.1	643.7	664.5	654.9	626.2	643.7	1033.5	2932.7	5288.8	5689.7	5331.9
82.5°	472.9	448.8	538.3	512.7	488.8	453.7	570.3	947.2	1261.9	865.8	608.6
85°	364.2	338.6	408.9	392.9	335.5	231.6	338.6	463.3	511.1	292.3	230.0
87.5°	148.6	156.5	295.5	233.2	196.5	111.8	139.0	185.3	249.2	124.5	95.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)